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CAUTION: Some displays of the LT field are extremely long. Enter NEWS FILE at the arrow prompt for more information.

The Indexing Template (TD) field is available for some records starting with 940901/ED. Enter HELP TEMPLATE at an arrow prompt (=>) for information on how to use this field.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (catalyst (1) (nickel or molybdenum or cobalt or tungsten) (1) nitrogen)/lt
98039 CATALYST/LT
21740 NICKEL/LT
15852 MOLYBDENUM/LT
17597 COBALT/LT
9877 TUNGSTEN/LT
49465 NITROGEN/LT
L1 1052 CATALYST (1) (NICKEL OR MOLYBDENUM OR COBALT OR TUNGSTEN) (1)
NITROGEN/LT

=> s hydrocracking, ct
L2 9802 HYDROCRACKING/CT

=> s L1 and L2
L3 33 L1 AND L2

=> d 1-23

L3 ANSWER 1 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 2001:15243 ENCOMPAT;ENCOMPAT2
DI P000121489
TI Filtering medium for chemical reactors, comprises ceramic filter units
having openings comprising ellipses or trisoids
IN GLOVER J N
PA GLOVER J N
PI US 2001015336 20010613
AI US 1998-97235 19980529
US 1999-320950 19990527
FRAI US 1999-320950 19990527
US 1998-97235 19980529
OS DERWENT 2001579265

L1 ANSWER 2 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 2001:5451 ENCOMPAT;ENCOMPAT2
DI P000107072
TI Catalyst for hydrodesulfuration and hydrogenation of gasoil cuts including
sulfur and aromatics comprises a group VIB nitride phase and phosphorus
IN DIEHL F; DIEGA M G; KASOTELAN S; MANOLI J M; PEREZ R P; POTVIN C
PA INST FRANCAIS DU PETROLE
PI FR 2798073 20010309
AI FR 1999-11006 19990901
FRAI FR 1999-11006 19990901
OS DERWENT 2001143533

L3 ANSWER 3 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 1901:2003 ENCOMPAT;ENCOMPAT2
DN P200101941
TI Catalyst support useful in preparation of catalysts for treatment and conversion of hydrocarbons, comprises group IVB metal oxide with incorporation of silica
IN BISSON M; DA SILVA P; DECKER S; DENAYER J; MILAN A
PA TOTAL RAFFINAGE DISTRIBUTION SA
PI EP 1053755 20001101
DS AL; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LT; LU; LV; MC; MK; NL; PT; RO; SE; SI
AI EP 2000-461272 20000510
PRAI EP 1999-6123 19990118
OS DERWENT 2001063573
LA French

L3 ANSWER 4 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 2000:7857 ENCOMPAT;ENCOMPAT2
DN P200007300
TI Activation of hydroconversion catalyst in presence of sulfur and nitrogen compounds
IN GEORGE M N; HARLE V; KASZTELAN S; MIGNARD S
PA INST FRANCAIS DU PETROLE
PI FR 2778349 19991111
AI FR 1998-5741 19980500
PRAI FR 1998-5741 19980506
OS DERWENT 2000026026

L3 ANSWER 5 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 2000:7351 ENCOMPAT;ENCOMPAT2
DN P200013255
TI Microporous oxide material with micro- and meso-porous properties and specific structure, for use in catalysis, is prepared by synthesis of gel, hydrothermal treatment, and treatment with organic compound with proton acceptor group
IN CHICA LARA A; COMA CANOS A; DIAZ MOFALES U; FORNES SEGUI V
PA CONSEJO SUPERIOR INVESTIGACIONES CIENTIF; UNIV VALENCIA POLITECNICA
PI WO 2000024673 20000504
DS EP; CA; CN; JP; MX; NO; US; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
AI WO 1999-ES344 19991028
PRAI EP 1998-2183 19981027
OS DERWENT 2000350648
LA Spanish

L3 ANSWER 6 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 2000:2430 ENCOMPAT;ENCOMPAT2
DN P200003949
TI Single-step method for mild hydrocracking of petroleum raw materials
IN IBISOVA K N; MOTOV M V; SMIRNOV V K
PA KATAKHM CO LTD
PI RU 2124042 19981227
AI RU 1997-118795 19971117
PRAI RU 1997-118795 19971117
OS DERWENT 20000204273

L3 ANSWER 7 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 1998:4565 ENCOMPAT;ENCOMPAT2
DN 9810965
TI Petrochemical residue hydrogenation - using molybdenum catalyst promoted with compounds of manganese, cobalt and nickel in the presence of inorganic acids
IN IMAROV A K; KHADZIEV S N; SUVOROV YU P
PA GAZEN OIL INST
PI RU 2037523 19970810
AI RU 1993-16181 19930409

PPAI RU 1933-18181 19930409
OS DEFWENT 98177501

L3 ANSWER 8 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 97:11598 ENCOMPAT;ENCOMPAT2
DN 9712590

TI Trioctahedral phyllosilicate based catalyst and hydroconversion of petroleum fraction - consists of a support containing matrix, trioctahedral phyllosilicate containing fluprine, zeolite and catalytic element

IN BENAZZI E; MIGNARD S
PA INST FRANCAIS DU PETROLE
PI EP 794005 19970916
DS DE; ES; FR; IT; NL
AI EP 1997-400488 19970304
PPAI FR 1996-2910 19960103
OS DEFWENT 97437295
LA French

L3 ANSWER 9 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 97:6062 ENCOMPAT;ENCOMPAT2
DN 9711304

TI Catalyst for hydro-isomerisation of hydrocarbon feed contg. sulphur and nitrogen - contg. mixt. of matrix and support, pref. zeolite, each impregnated with nickel, cobalt or iron, with palladium, platinum, ruthenium or rhodium and with matrix contg. tungsten or molybdenum

IN PRADA R; REYES E; ROMERO Y; TEJADA J; TORREALBA M
PA INTEVEP SA
PI US 5612073 970318
AI US 1994-367405 941230
PPAI US 1994-367405 941230
OS DEFWENT 97191133

L3 ANSWER 10 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 95:1632 ENCOMPAT;ENCOMPAT2
DN 9510452

TI Hydrocracking process - with a catalyst comprising hydrogenation component, zeolite beta and a pillared clay.

IN OCCELLI M L
PA UNION OIL CO CALIFORNIA
PI US 5374342 941220
AI US 1991-757837 910911
PPAI US 1991-757837 910911
OS DEFWENT 95035594

L3 ANSWER 11 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 94:11765 ENCOMPAT;ENCOMPAT2
DN 9412902

TI Titania-bound molecular sieve catalyst prepn. - by calcining shaped mixt. of e.g. zeolite, low acidity titanium oxide binder and aq. slurry of titanium oxide hydrate

IN TIMKEN H K C
PA MOBIL OIL CORP
PI US 5352644 941004
AI US 1993-112501 930829
PPAI US 1993-112501 930829
OS DEFWENT 94316205

L3 ANSWER 12 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 93:4423 ENCOMPAT;ENCOMPAT2
DN 9311243

TI Amorphous metal prepn. - by ultrasonic irradiation of volatile organometallic cpd. or inorganic cpd., useful as heterogeneous catalyst or soft ferro-magnet

IN CHOE S; CICHOWLAS A A; GRINSTAFF M E; SUSLICK K S
PA RESEARCH CORP TECHNOLOGIES INC
PI WO 9305877 930401

DS AU; CA; JP; KP; AT; BE; C DE; DK; ES; FR; GB; GR; IE; IT U; MC; NL; SE
 AI WO 1992-US8133 920925
 PRAI US 1991-755647 910925
 OS DEFWENT 93117298
 LA English

L3 ANSWER 13 OF 33 ENCOMPAT COPYRIGHT 2001 DEFWENT/ELSEVIER
 AN 91:8249 ENCOMPAT;ENCOMPAT2
 DN 9112590
 TI Hydrotreatment catalyst - comprises Gp. VIb and Gp. VIII metals on zeolite and alumina support of specified particle and pore size
 PA Cosmo Oil Co Ltd; Petroleum Energy Cent
 FI EP 449144 911002
 PRAI JP 1990-85967 900330
 OS DEFWENT 91182600

L3 ANSWER 14 OF 33 ENCOMPAT COPYRIGHT 2001 DEFWENT/ELSEVIER
 AN 90:9995 ENCOMPAT;ENCOMPAT2
 DN 9012094
 TI Hydrocarbon hydrogenation catalyst - consists of titanium nitride support impregnated with nickel nitrate aq. soln. before drying and sintering
 PA Agency of Ind Sci Tech; Sumitomo Metal Mini KK
 FI JP 2194841 900901
 PRAI JP 1989-14120 890125
 OS DEFWENT 90178457

L3 ANSWER 15 OF 33 ENCOMPAT COPYRIGHT 2001 DEFWENT/ELSEVIER
 AN 86:564 ENCOMPAT;ENCOMPAT2
 DN 86101208
 TI HYDROCRACKING CARBONACEOUS MATERIAL - BY HEATING RAPIDLY AT SPECIFIC TEMP. AND PRESSURE IN ATMOS. OF GASEOUS MIXT. OF HYDROGEN AND METHANE OPT. WITH GP/VI OR GP/VIII METAL
 PA ASAHI CHEMICAL IND KK
 FI JP 60186536 850924
 PRAI JP 1984-41352 840306
 OS DEFWENT 85273797

L3 ANSWER 16 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
 AN 85:2182 ENCOMPAT;ENCOMPAT2
 DN 8511676T
 TI SHELL CATALYST PROD. WITH REPRODUCIBLE ADHERENT CATALYST LAYER - USING INTERMEDIATE LAYER OF OXIDE, NITRIDE OR CARBIDE PHYSICALLY DEPOSITED FROM VAPOUR ONTO SUPPORT
 PA BATTELLE-INST EV
 FI DE 3344343
 OS DEFWENT 85147313

L3 ANSWER 17 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
 AN 85:2181 ENCOMPAT;ENCOMPAT2
 DN 8511676S
 TI SHELL CATALYST PROD. WITH REPRODUCIBLE ADHERENT CATALYST LAYER - USING INTERMEDIATE LAYER OF OXIDE, NITRIDE OR CARBIDE PHYSICALLY DEPOSITED FROM VAPOUR ONTO SUPPORT
 PA BATTELLE-INST EV
 FI DE 3344343
 OS DEFWENT 85147313

L3 ANSWER 18 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
 AN 85:2180 ENCOMPAT;ENCOMPAT2
 DN 8511676E
 TI SHELL CATALYST PROD. WITH REPRODUCIBLE ADHERENT CATALYST LAYER - USING INTERMEDIATE LAYER OF OXIDE, NITRIDE OR CARBIDE PHYSICALLY DEPOSITED FROM VAPOUR ONTO SUPPORT
 PA BATTELLE-INST EV
 FI DE 3344343
 OS DEFWENT 85147313

L3 ANSWER 19 OF 33 ENCOMPPA COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 84:3293 ENCOMPPAT;ENCOMPPAT2
DN 8415193
TI THERMAL HYDROCRACKING OF COAL - BY RAPID HEATING IN PRESENCE OF GP. VIII
METAL CPD.
PA ASAHI KASEI KOGYO
PI EP 93501 831109
DS DE; FF; GB
PRAI JP 1982-130444 820718
JP 1982-50406 820329
OS DEFWENT 83816159

L3 ANSWER 20 OF 33 ENCOMPPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 84:3059 ENCOMPPAT;ENCOMPPAT2
DN 8410661
TI REFORMING CATALYST COMPRISING MIXED MOLYBDENUM TUNGSTEN CARBIDE - IN BULK
OR SUPPORTED FORM IS INSENSITIVE TO SULPHUR AND CHEAP
PA EUROTUNGSTENE FOUDR
PI EP 120798 841003
DS DE; GB; NL
PRAI FR 1983-5480 830325
OS DEFWENT 84045290

L3 ANSWER 21 OF 33 ENCOMPPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 84:1823 ENCOMPPAT;ENCOMPPAT2
DN 8410399
TI CRACKING CARBONACEOUS MATERIAL USING CATALYST OF CHROMIUM CONTG. CPD. - AND
IRON, COBALT OR NICKEL CONTG. CPD. INVOLVES HEATING RAPIDLY UP TO 900
DEG.C, THEN HEATING IN HYDROGEN ATMOS. UNDER PRESSURE
PA ASAHI CHEMICAL IND KK
PI JP 5910392 840716
PRAI JP 1981-027863 811228
OS DEFWENT 84210551

L3 ANSWER 22 OF 33 ENCOMPPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 84:2279 ENCOMPPAT;ENCOMPPAT2
DN 8411762
TI CONVERSION OF HEAVY OIL E.G. SHALE OIL TO LIGHTER OIL - BY EMULSIFYING OIL
AND HYDROGENATING AT 380 TO 550 DEG.C
PA ASAHI CHEMICAL IND KK
PI JP 59075986 840403
PRAI JP 1982-186148 821025
OS DEFWENT 84143611

L3 ANSWER 23 OF 33 ENCOMPPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 84:2082 ENCOMPPAT;ENCOMPPAT2
DN 8411491
TI LIGHT HYDROCARBON OIL MFR. FROM HEAVY OIL - BY REACTION WITH HYDROGEN IN
PRESENCE OF AT LEAST 1 TRANSITION METAL CPD. AND SULPHUR OR SULPHUR CPD
PA ASAHI CHEMICAL IND KK
PI JP 59051981 840326
PRAI JP 1981-162901 820913
OS DEFWENT 84111251

L3 ANSWER 24 OF 33 ENCOMPPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 84:941 ENCOMPPAT;ENCOMPPAT2
DN 8410186
TI THERMAL DECOMPOSITION OF CARBONACEOUS SUBSTANCE - IN PRESENCE OF GP. VIII
HALIDE, SULPHATE, NITRATE AND/OR PHOSPHATE
PA ASAHI CHEMICAL IND KK
PI JP 58167682 831003
PRAI JP 1982-50406 820329
OS DEFWENT 83812079

L3 ANSWER 25 OF 33 ENCOMPPAT COPYRIGHT 2002 DEFWENT/ELSEVIER
AN 82:459 ENCOMPPAT;ENCOMPPAT2
DN 8210039

TI HIGH-SURFACE-AREA CATALYST SUPPORT PROD. - BY WETTING IN CORE THEN
 APPLYING POWDERED COATING, DRYING AND CALCINING
 PA STANDARD OIL CO OHIO
 PI US 4293449 811005
 PPAI US 1980-176215 800807
 OS DERWENT 8179557D

L3 ANSWER 26 OF 33 ENCOMPAT COPYRIGHT 2001 DERWENT/ELSEVIER
 AN 80:4533 ENCOMPAT;ENCOMPAT2
 DI 80515155
 TI POLYMERIC SOLUBLE HYDROGENATION CATALYST - CONTG. IRON, COBALT, NICKEL OR
 PLATINUM GP. METAL AS COVALENT OR COORDINATION CPD. WITH SOLUBLE POLYMER.
 PA HEYL + CO
 PI EP 8407 800305
 PPAI DE 1979-2918940 790510
 835943 780817
 OS DERWENT 8016847C

L3 ANSWER 27 OF 33 ENCOMPAT COPYRIGHT 2001 DERWENT/ELSEVIER
 AN 79:338 ENCOMPAT;ENCOMPAT2
 DI 7910485
 TI INTERCALATION SMECTIC ALUMINA USEFUL AS CATALYST AND ADSORBENT - CONTG.
 METAL OXIDE OR POLYMERIC METAL COMPLEX BETWEEN LAYERS
 PA GRACE W E + CO
 PI DE 2825769 791214
 PPAI US 1978-885408 790319
 805672 770613
 OS DERWENT 7891762A

L3 ANSWER 28 OF 33 ENCOMPAT COPYRIGHT 2001 DERWENT/ELSEVIER
 AN 78:164 ENCOMPAT;ENCOMPAT2
 DI 7810240
 TI LUBRICATING OIL PREPD. BY HYDROCRACKING SLACK WAX - USING CATALYSTS
 PRETREATED WITH NITROGEN CPDS
 PA SHELL INTERNATIONALE RESEARCH MAATSC
 PI NL 7604955 771114
 PPAI NL 1976-4955 760510
 OS DERWENT 7785974Y

L3 ANSWER 29 OF 33 ENCOMPAT COPYRIGHT 2001 DERWENT/ELSEVIER
 AN 77:521 ENCOMPAT;ENCOMPAT1
 DI 7710745
 TI CONVERSION OF ASPHALTENIC HYDROCARBON FEEDS - WITH CATALYST IMPREGNATED
 WITH ORGANIC NITROGEN CPD.
 PA UOP INC
 PI US 4005007 770125
 PPAI US 1975-599562 750728
 OS DERWENT 7710745Y

L3 ANSWER 30 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
 AN 75:5366 ENCOMPAT;ENCOMPAT2
 DI 7551288
 TI CATALYTIC COMPLEXES CONTG. PHOSPHORUS AND SILICON-FOR USE IN POLYMSN,
 ISOMERISN., HYDROGENATION AND HYDROSILYLATION PROCESSES
 PA DOW CORNING LTD
 PI US 3856837 741224
 PPAI US 1973-328566 730201
 OS DERWENT 7501860W

L3 ANSWER 31 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
 AN 75:1571 ENCOMPAT;ENCOMPAT2
 DI 7512281
 TI RESIDUAL OILS HYDROREFINING CATALYST - IS ADDITIONALLY LOADED WITH
 ADSORBED NITROGEN TO IMPROVE ACTIVITY
 PA UNIVERSAL OIL PRODUCTS CO
 PI US 3908450 750930
 PPAI US 1973-428280 731226

OS DERWENT 7568901W

L3 ANSWER 32 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 74:95 ENCOMPAT;ENCOMPAT2
DN 7410270
TI LUBRICATING OILS
PA CHEVRON RESEARCH CO
FI DE 2224859 731129
PFAI DE 1972-2224859 729520
OS DERWENT 7376954U

L3 ANSWER 33 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 71:3237 ENCOMPAT;ENCOMPAT2
DN 7103068
TI A HYDROCRACKING CATALYST IS PREPARED
PA SHELL OIL CO; VAN DYKE R E
PI US 3567654 710302
PFAI 475870 650729